

Rabbit NM23 Polyclonal Antibody | anti-NM23 antibody

NM23 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320863	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

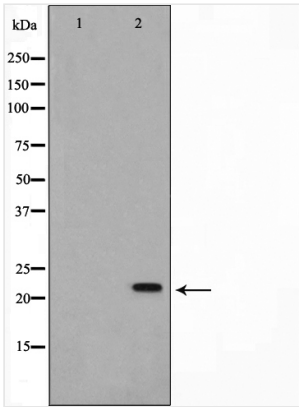
PRODUCT SYNONYMS

NM23; Polyclonal Antibody; NM23 Antibody; C myc purine binding transcription factor PUF; C myc transcription factor; C-myc purine-binding transcription factor PUF; epididymis secretory sperm binding protein Li 155an; HEL-S-155an; Histidine protein kinase NDKB; MGC111212; MGC2212; NDK B; NDKB; NDKB_HUMAN; NDP kinase B; NDPK B; NDPKB; NM23 H2; nm23-H2; NM23B; NME/NM23 nucleoside diphosphate kinase 2; nme2; Non metastatic cells 2; protein (NM23B) expressed in; non-metastatic cells 2; protein (NM23) expressed in; Nucleoside diphosphate kinase B; Nucleotide diphosphate kinase B; PUF; anti-NM23 antibody

PRODUCT SPECIFICATIONS

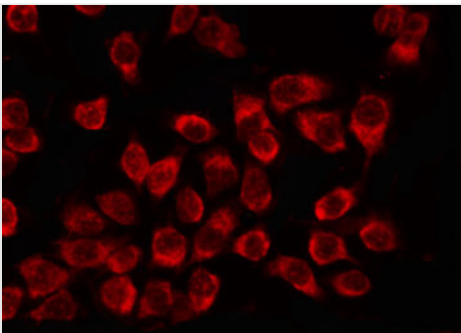
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NM23 antibody detects endogenous levels of total NM23
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	267
Applicable Applications for anti-NM23 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NM23
Subcellular Location	Cytoplasm. Nucleus. Isoform 2 is mainly cytoplasmic and isoform 1 and isoform 2 are excluded from the nucleolus.
Tissue Specificity	Isoform 1 and isoform 3 are ubiquitously expressed.
Predicted Cross Reactivity	Pig, Bovine, Rabbit, Dog
Similarity	Pig (100%), Bovine (93%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on K562 cell lysate using NM23 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA320863 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NM23 antibody	Description: NM23 nucleoside diphosphate kinase A. Major role in the synthesis of nucleoside triphosphates other than ATP. Holoenzyme is a hexamer of the A and B subunits. Mutations have been identified in aggressive neuroblastomas. Two transcript variants encoding different isoforms have been described. Function: Major role in the synthesis of nucleoside triphosphates other than ATP. Negatively regulates Rho activity by interacting with AKAP13/LBC. Acts as a transcriptional activator of the MYC gene; binds DNA non-specifically (PubMed:8392752). Exhibits histidine protein kinase activity. Subunit Structure: Hexamer of two different chains: A and B (A6, A5B, A4B2, A3B3, A2B4, AB5, B6). Interacts with CAPN8 (By similarity). Interacts with AKAP13. Interacts ITGB1BP1 (via C-terminal domain region). Similarity: Belongs to the NDK family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66392203
NCBI GeneID	654364
NCBI Accession #	NP_001018146.1
NCBI GenBank Nucleotide #	NM_001018136.2
UniProt Accession #	P22392; Q1WM23; Q6LCT6; A8MWA3
Molecular Weight	Observed: 23 kDa Predicted: 18 kDa
NCBI Official Full Name	NME1-NME2 protein
NCBI Official Synonym Full Names	NME1-NME2 readthrough
NCBI Official Symbol	NME1-NME2
NCBI Official Synonym Symbols	NMELV; NM23-LV
NCBI Protein Information	NME1-NME2 protein
UniProt Protein Name	Nucleoside diphosphate kinase B
UniProt Gene Name	NME2
UniProt Synonym Gene Names	NM23B; NDK B; NDP kinase B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

